

Title (en)
POLYURETHANE-POLYETHYLENE DELAMINATION RESISTANT TUBING WITH GAS BARRIER PROPERTIES

Title (de)
ABLÖSUNGSRESISTENTES POLYURETHAN-/POLYETHYLENROHR MIT GASBARRIEREEIGENSCHAFTEN

Title (fr)
TUBAGE EN POLYURÉTHANNE-POLYÉTHYLÈNE RÉSISTANT À LA DÉLAMINATION DOTÉ DE PROPRIÉTÉS DE BARRIÈRE VIS-À-VIS DES GAZ

Publication
EP 2885048 A1 20150624 (EN)

Application
EP 13753469 A 20130815

Priority
• US 201213586288 A 20120815
• US 2013055075 W 20130815

Abstract (en)
[origin: WO2014028700A1] A tube comprising an inner layer, an outer layer and a barrier layer disposed between the inner layer and the outer layer, wherein the barrier layer is bound to the outer layer by a layer of adhesive disposed between the outer layer and the barrier layer and the barrier layer is bound to the inner layer by a layer of adhesive disposed between the inner layer and the barrier layer, wherein the inner layer comprises a polyethylene, the outer layer comprises a thermoplastic polyurethane and the barrier layer comprises a material that acts as a barrier to gas.

IPC 8 full level
A61M 39/08 (2006.01); **B29C 48/09** (2019.01); **B29C 48/21** (2019.01); **B29C 48/335** (2019.01); **B32B 1/08** (2006.01); **B32B 27/30** (2006.01); **B32B 27/40** (2006.01); **B29C 48/92** (2019.01)

CPC (source: EP)
A61M 39/08 (2013.01); **B29C 48/022** (2019.01); **B29C 48/09** (2019.01); **B29C 48/21** (2019.01); **B32B 1/08** (2013.01); **B32B 27/08** (2013.01); **B32B 27/30** (2013.01); **B32B 27/308** (2013.01); **B32B 27/32** (2013.01); **B32B 27/40** (2013.01); **C08G 18/4854** (2013.01); **C08L 75/08** (2013.01); **A61M 2205/0238** (2013.01); **B29C 48/92** (2019.01); **B29C 2948/92523** (2019.01); **B29C 2948/92647** (2019.01); **B29C 2948/92942** (2019.01); **B29K 2021/003** (2013.01); **B29K 2033/08** (2013.01); **B29K 2075/00** (2013.01); **B29L 2009/00** (2013.01); **B29L 2023/00** (2013.01); **B29L 2023/007** (2013.01); **B32B 2250/03** (2013.01); **B32B 2250/24** (2013.01); **B32B 2307/51** (2013.01); **B32B 2307/536** (2013.01); **B32B 2535/00** (2013.01); **B32B 2597/00** (2013.01); **F04C 2270/0421** (2013.01)

Citation (search report)
See references of WO 2014028700A1

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
WO 2014028700 A1 20140220; CA 2882029 A1 20140220; CA 2882029 C 20161213; CN 104582784 A 20150429; CN 104582784 B 20180116; CR 20150128 A 20150605; EP 2885048 A1 20150624; EP 2885048 B1 20170927; EP 3090777 A1 20161109; EP 3090777 B1 20201104; ES 2653252 T3 20180206; JP 2015535326 A 20151210; JP 6027682 B2 20161116; MX 2015001860 A 20150515; MX 369587 B 20191113; PL 2885047 T3 20170929

DOCDB simple family (application)
US 2013055075 W 20130815; CA 2882029 A 20130815; CN 201380043388 A 20130815; CR 20150128 A 20150312; EP 13753469 A 20130815; EP 16175325 A 20130702; ES 13753469 T 20130815; JP 2015527625 A 20130815; MX 2015001860 A 20130815; PL 13744861 T 20130702